

## M 5.3, 5km NNE of Culasian, Philippines

Origin Time: 2020-03-01 21:19:20 UTC (Mon 05:19:20 local)

Location: 11.3555° N 124.6294° E Depth: 7.0 km

Created: 2 hours, 2 minutes after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

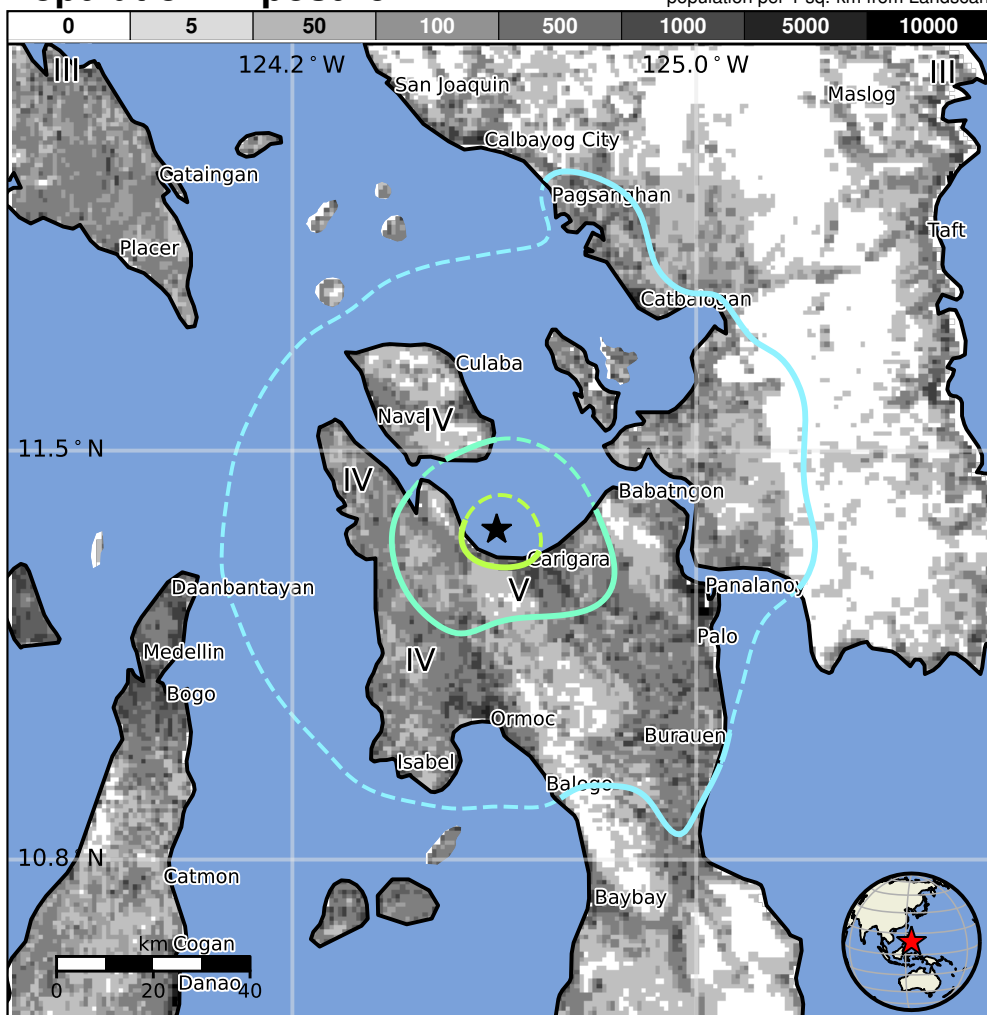


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,008k*	2,350k	259k	85k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-15	14	4.8	VI(34k)	1
1987-05-23	382	5.7	VII(70k)	1
1973-03-17	302	7.5	VIII(6k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	<b>Carigara</b>	<b>17k</b>
VI	Culasian	2k
VI	Capoocan	8k
VI	Guindapunan	2k
VI	Pinamopoan	3k
VI	Barugo	7k
IV	<b>Ormoc</b>	<b>191k</b>
IV	<b>Panalano</b>	<b>189k</b>
IV	<b>Catbalogan</b>	<b>68k</b>
III	<b>Calbayog City</b>	<b>68k</b>
III	<b>Danao</b>	<b>70k</b>

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000871l#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000871l